

GACCGTCCATAAAAAATTTATTTGCTTTCAGGAAAATTTTCTGTATAATAGATTC
1 2 3 4

AAGTTAGTTTGTTTATTAAATTAACCAACTAAAATGTAGAATTCCGAGCTCGAG
5 6

CCGGTACCCGGGGATCCTCTAGAGTCGACCTGCAGCCAAGCTTGGGCTTTTCA
6

GCCTGATACAGATTAAATCAGAACGCAGAAGCGGTCTGATAAAACAGAATTTG

CCTGGCGGCAGTAGCGCGGTGGTCCCACCTGACCCCATGCCGAAGTCAGAAGT

GAAACGCCGTAGCGCCGATGGTAGTGTGGGGTCTCCCCATGCGAGAGTAGGGA

ACTGCCAGGCATCAAATAAAACGAAAGGCTCAGTCGAAAGACTGGGCCTTTTCG
7A

TTTTATCTGTTGTTTGTTCGGTGAACGCTCTCCTGAGTAGGACAAATCCGCCGGG

AGCGGATTTGAACGTTGCGAAGCAACGGCCCGGAGGGTGGCGGGCAGGACGC

CCGCCATAAACTGCCAGGCATCAAATTAAGCAGAAGGCCATCCTGACGGATGG
7B

CCTTTTTCGCTTCTACAACTC

FIG. 1

ATTAAATATAAATAACATTCAAATGAATATTAAATAATTACAGCAGTCTGAG

1

TTATAAAATAGATATCTCGGACCGACATTAAATTCTTGACAGGGAGAGATAG

a

2

3

GTTTGATAGAATATAATAGTTGTCTCGAGAGTTAGTTTGTTTATTAAATTAAC


4

b

5

CAACTGGACGA

FIG. 2

 SEQUENCE HOMOLOGOUS TO TARGET

 HOMOLOGOUS CHROMOSOMAL SEQUENCE

P = PROMOTER

DRUG RESISTANCE = GENE ENCODING GENE PRODUCT WHICH
CONFERS DRUG RESISTANCE

P_T = PROMOTER OF TARGET GENE

T = TRANSCRIPTIONAL TERMINATOR

P_R = REGULATABLE PROMOTER

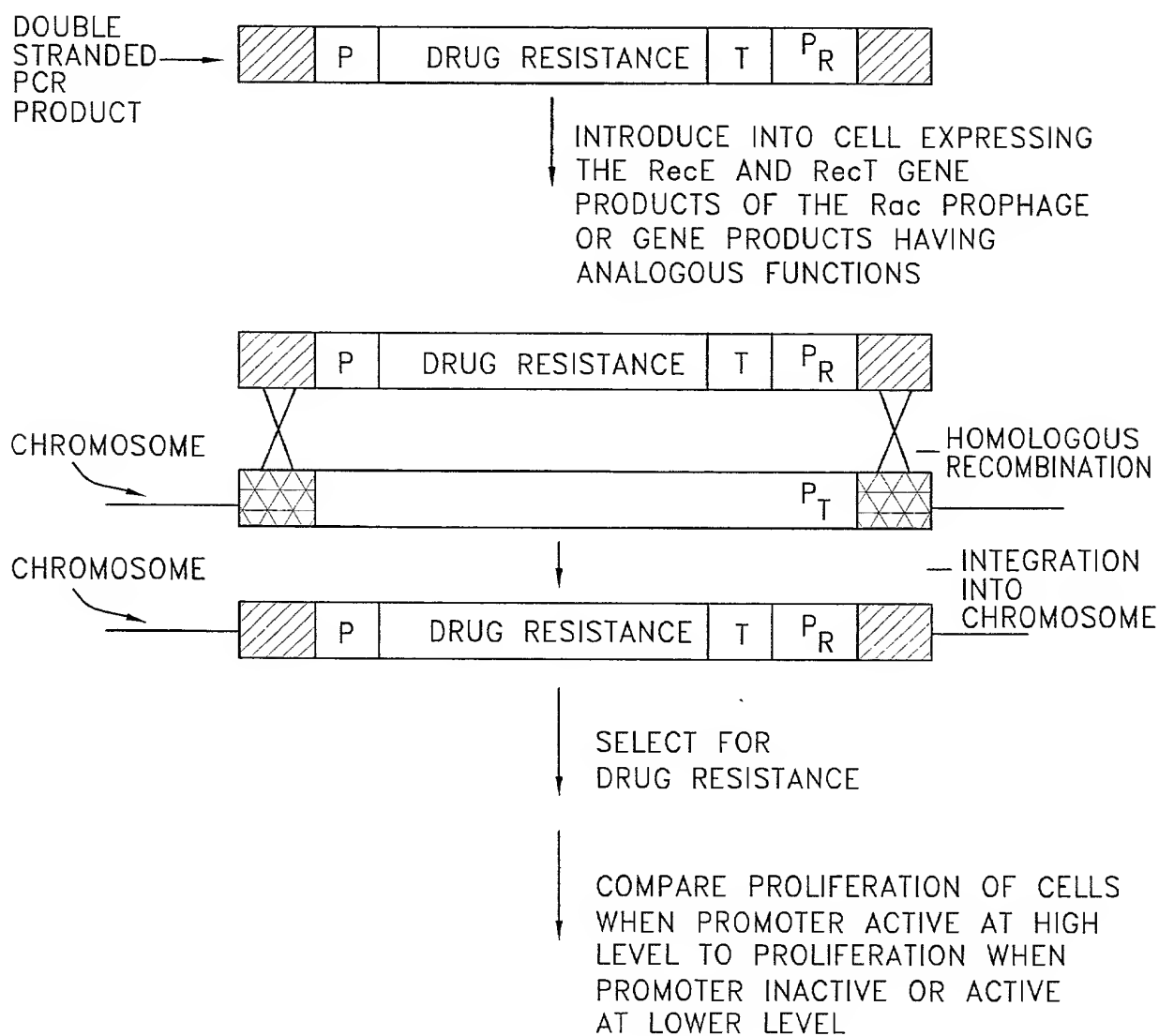


FIG. 3A

 = SEQUENCE HOMOLOGOUS TO TARGET

 = CHROMOSOMAL TARGET

P_R = REGULATABLE TARGET

P_T PROMOTER OF TARGET GENE

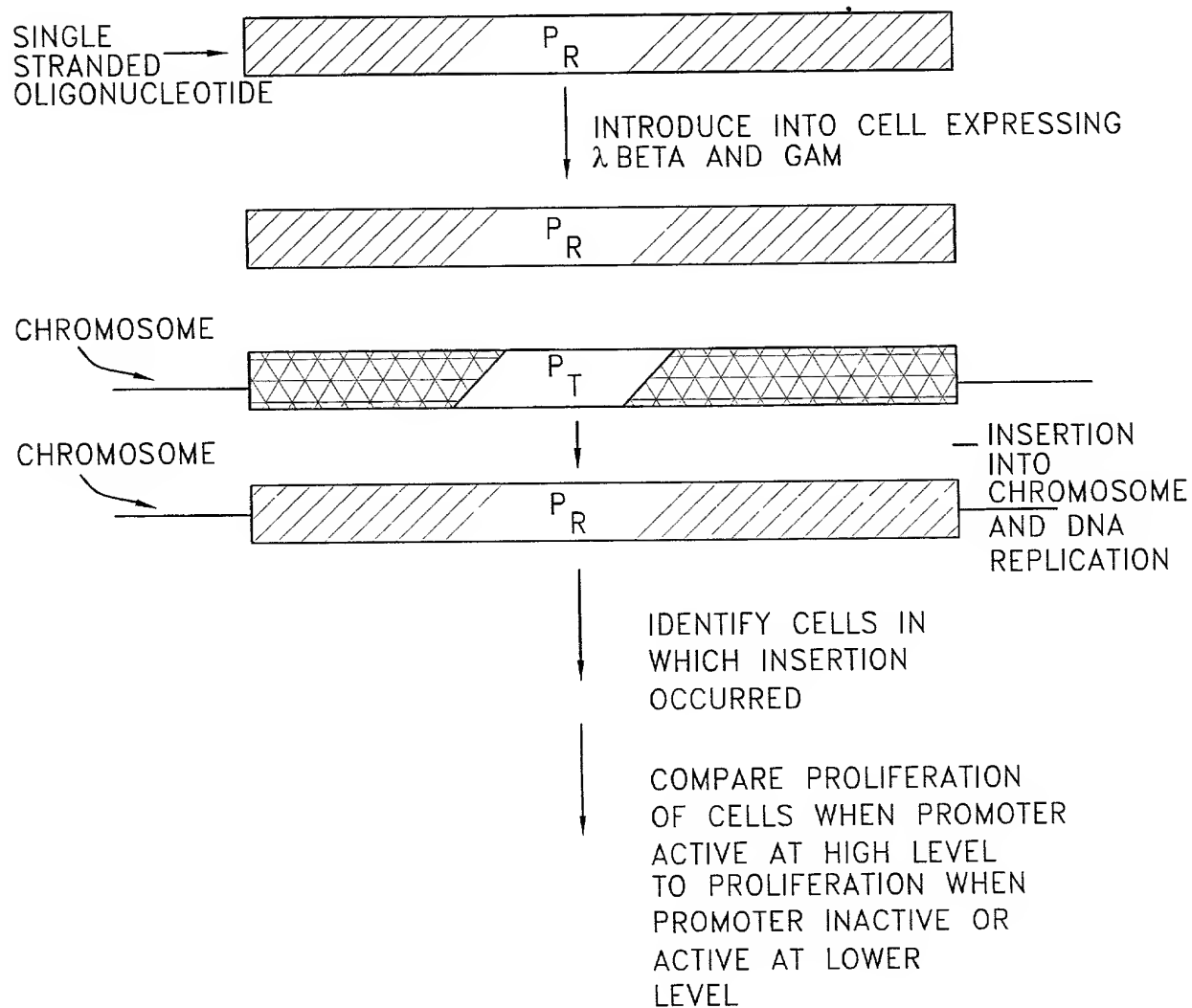
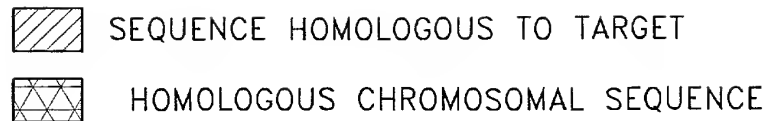


FIG. 3B



P = PROMOTER

DRUG RESISTANCE = GENE ENCODING GENE PRODUCT WHICH
CONFERS DRUG RESISTANCE

T = TRANSCRIPTIONAL TERMINATOR

O = OPERATOR

P_T = CHROMOSOMAL PROMOTER TO TARGET GENE

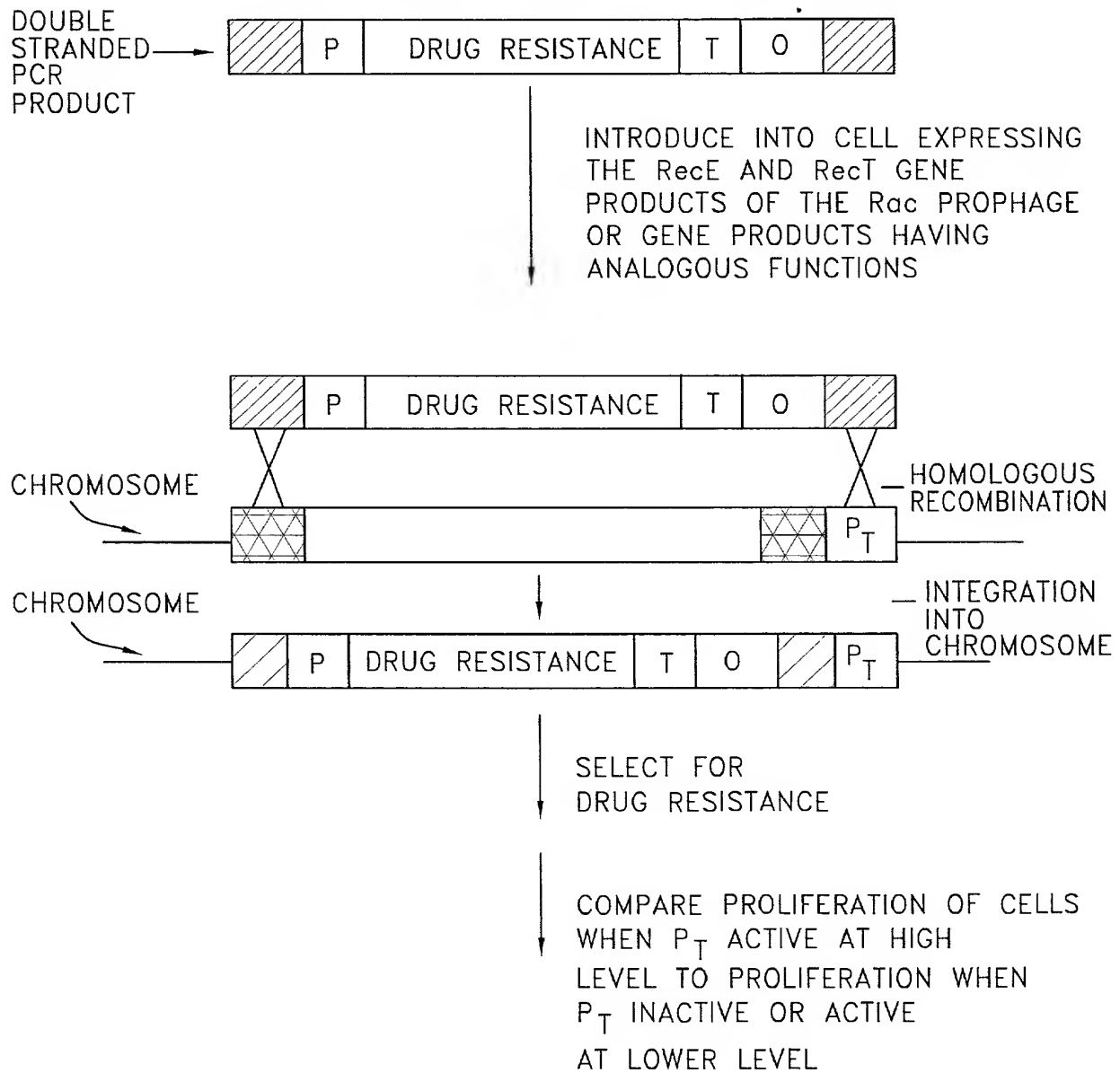



FIG. 4A

 = SEQUENCE HOMOLOGOUS TO TARGET

 = CHROMOSOMAL TARGET

O = OPERATOR

P_T = CHROMOSOMAL PROMOTER OF TARGET GENE

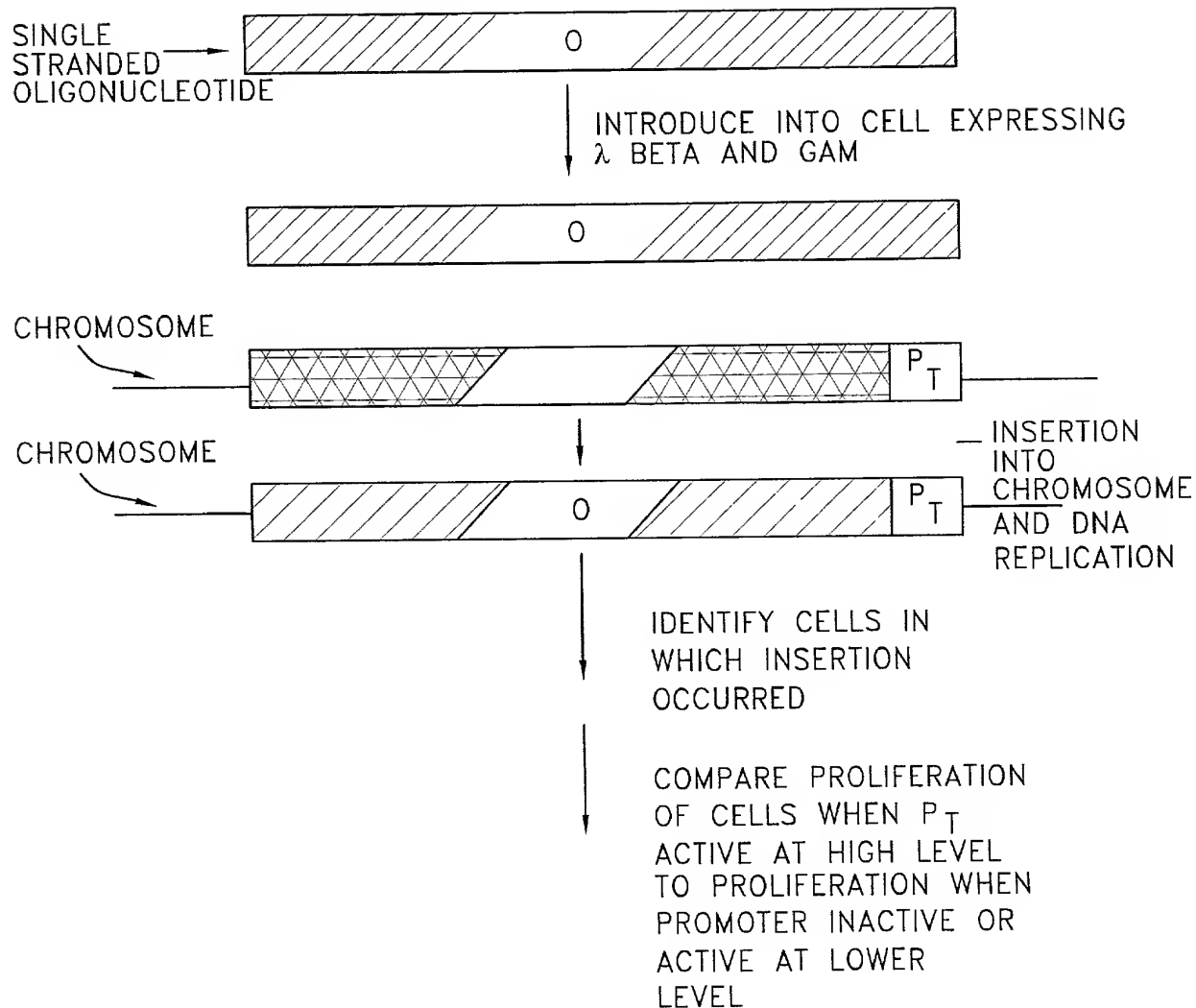


FIG. 4B

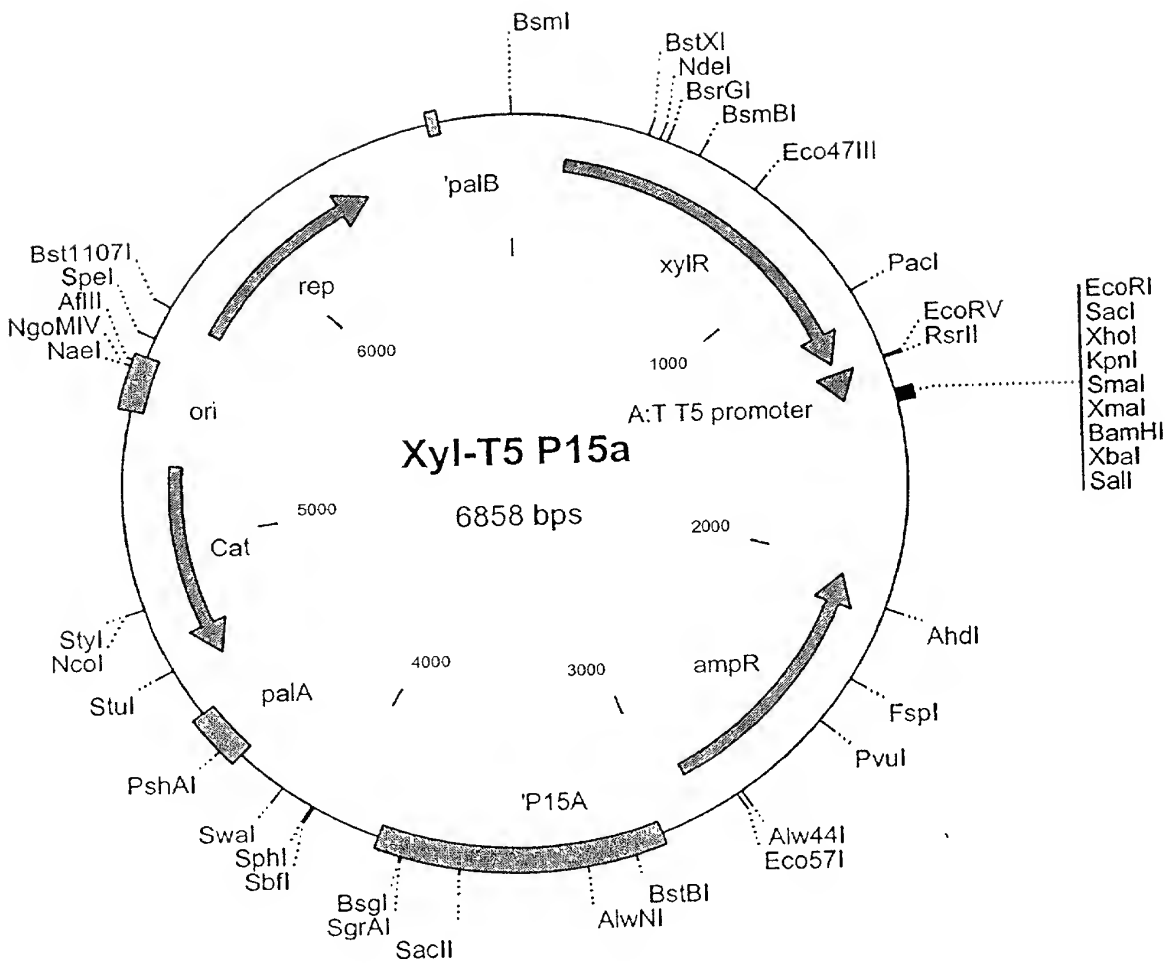


FIG. 5

Enterococcus vector

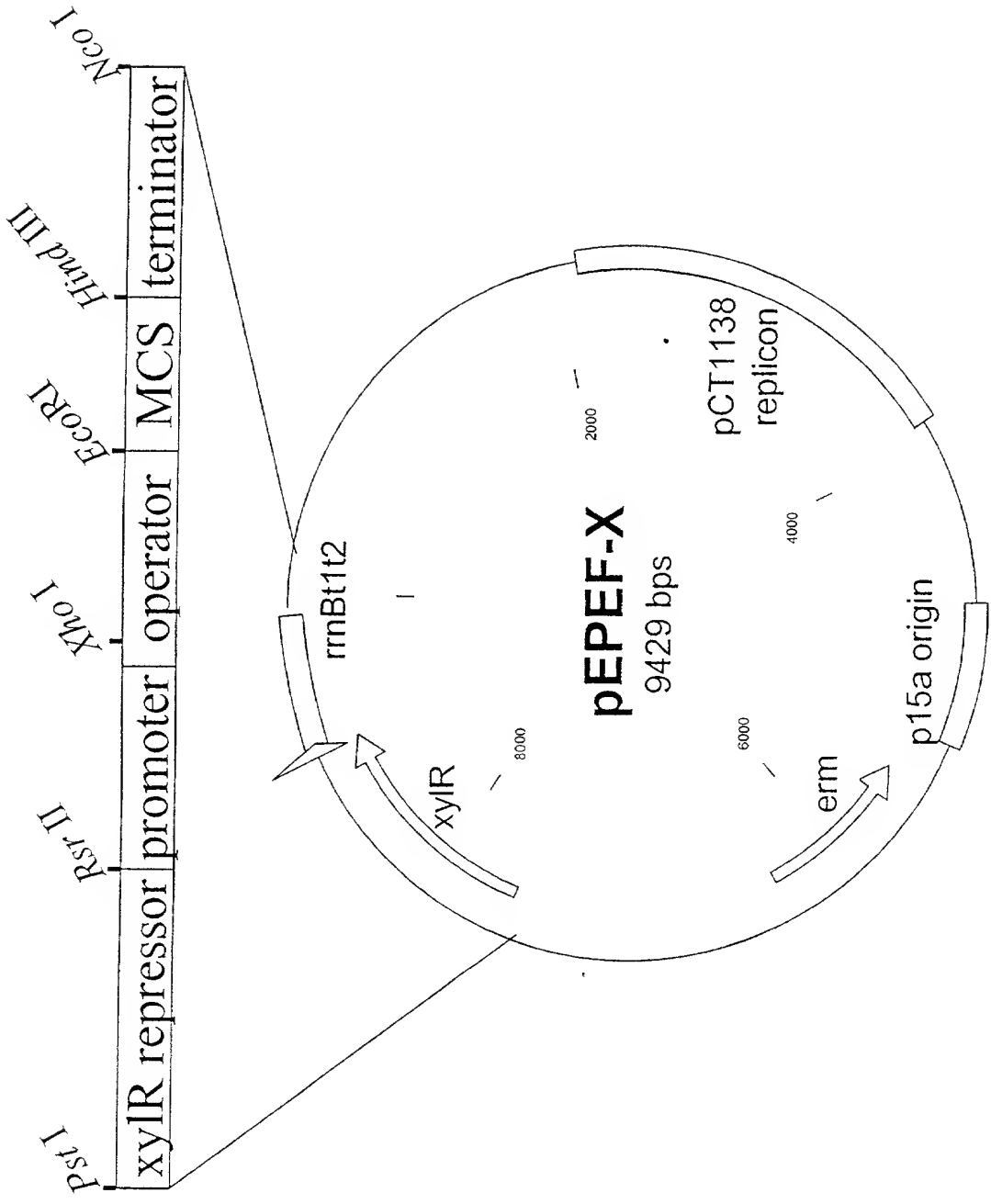


FIG. 6

Accumulation of RNA +/- Xylose Induction

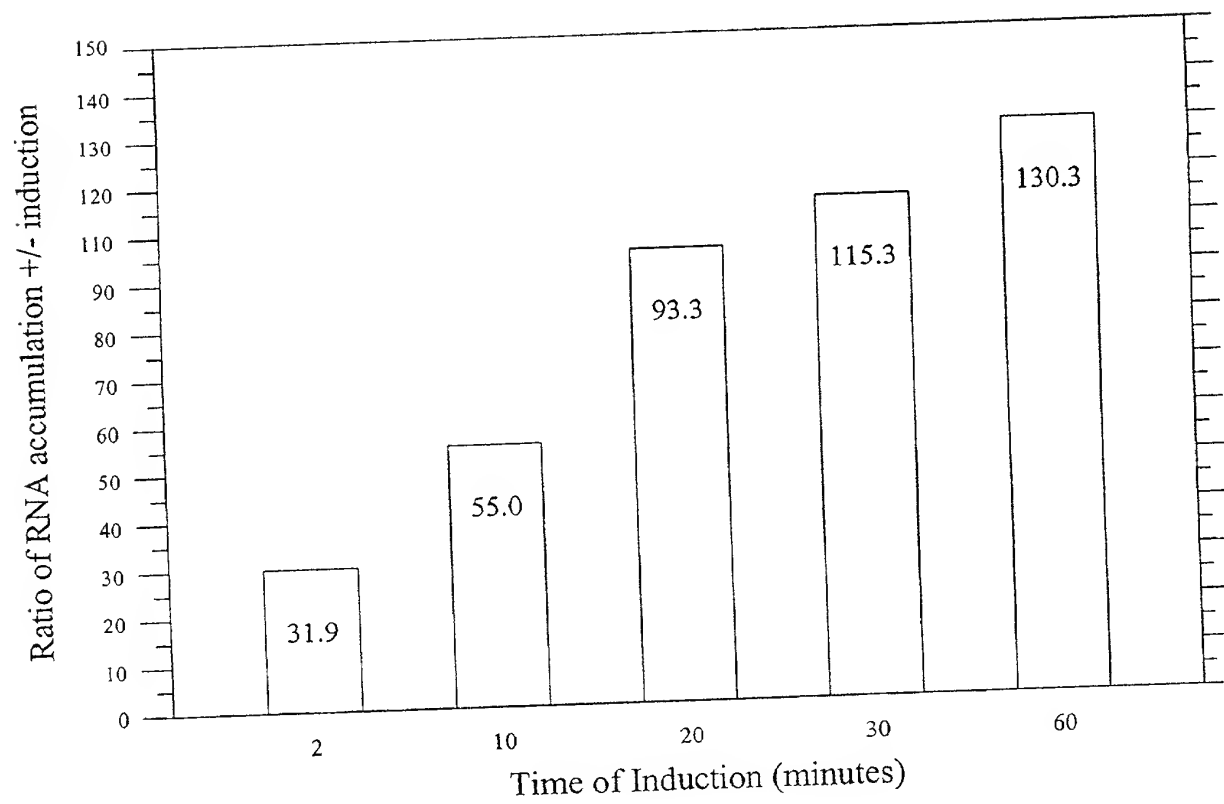
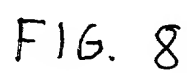


FIG. 7

[illegible]

pXylT5/CP-25 Promoter activity in *Enterococcus faecalis* and *Staph aureus*

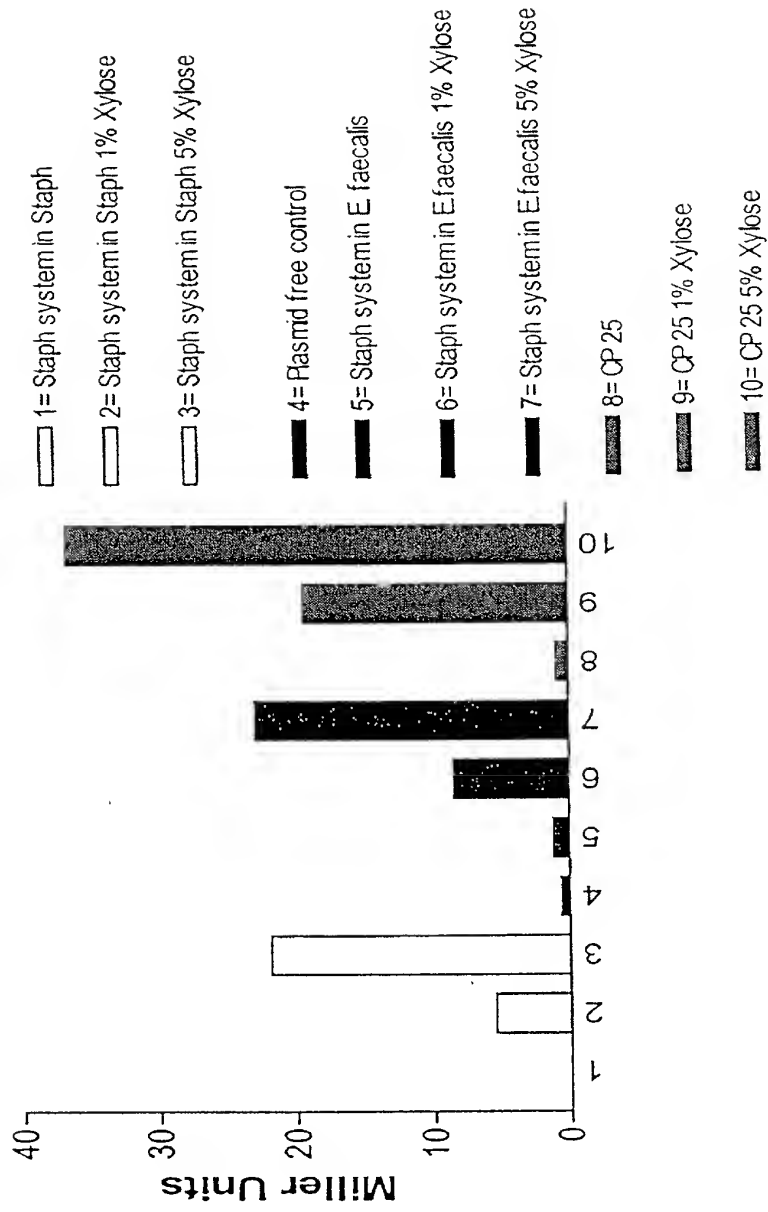


Fig. 9

**Xylose Titrations With P59 Promoter in
*Enterococcus faecalis***

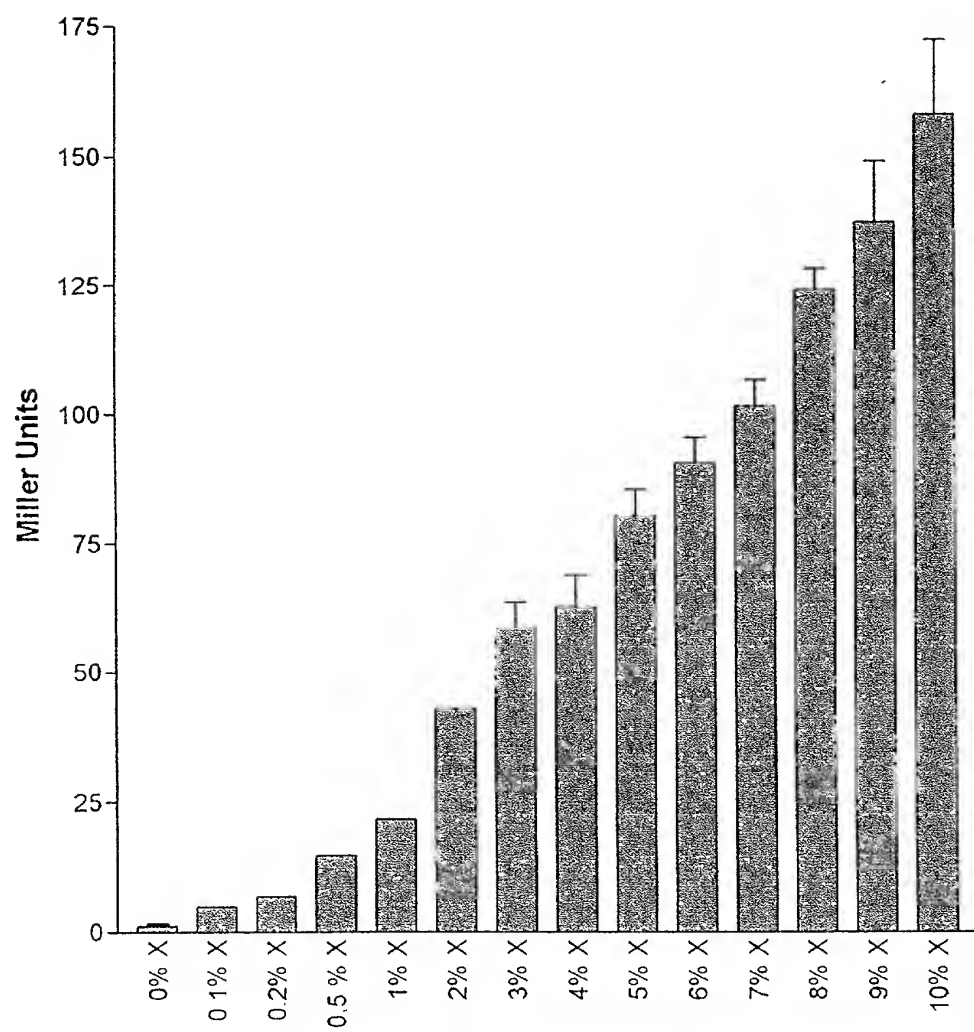


FIG. 10

Promoter Strength in
Enterococcus

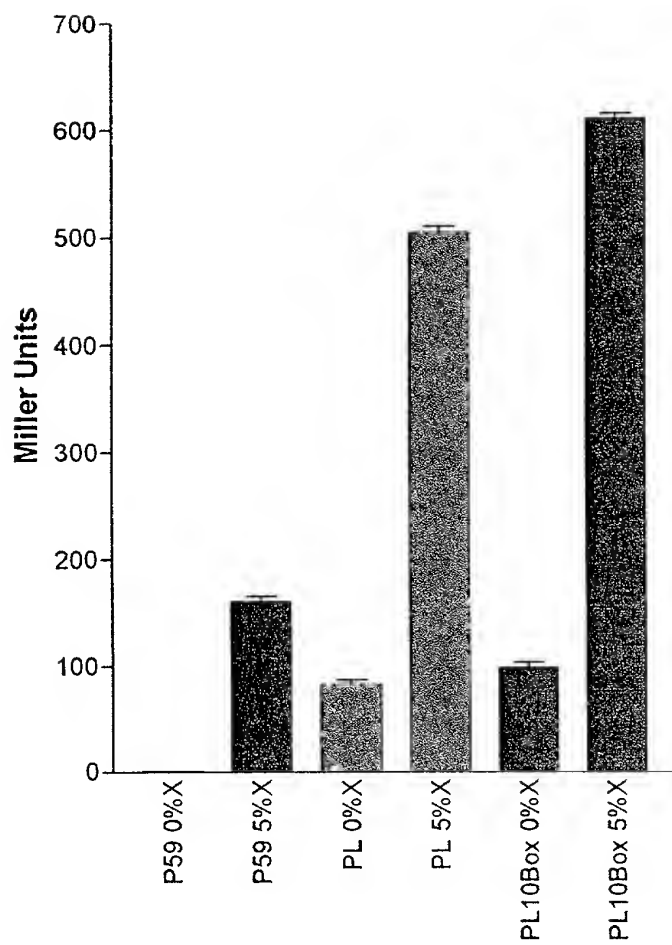


FIG. 11

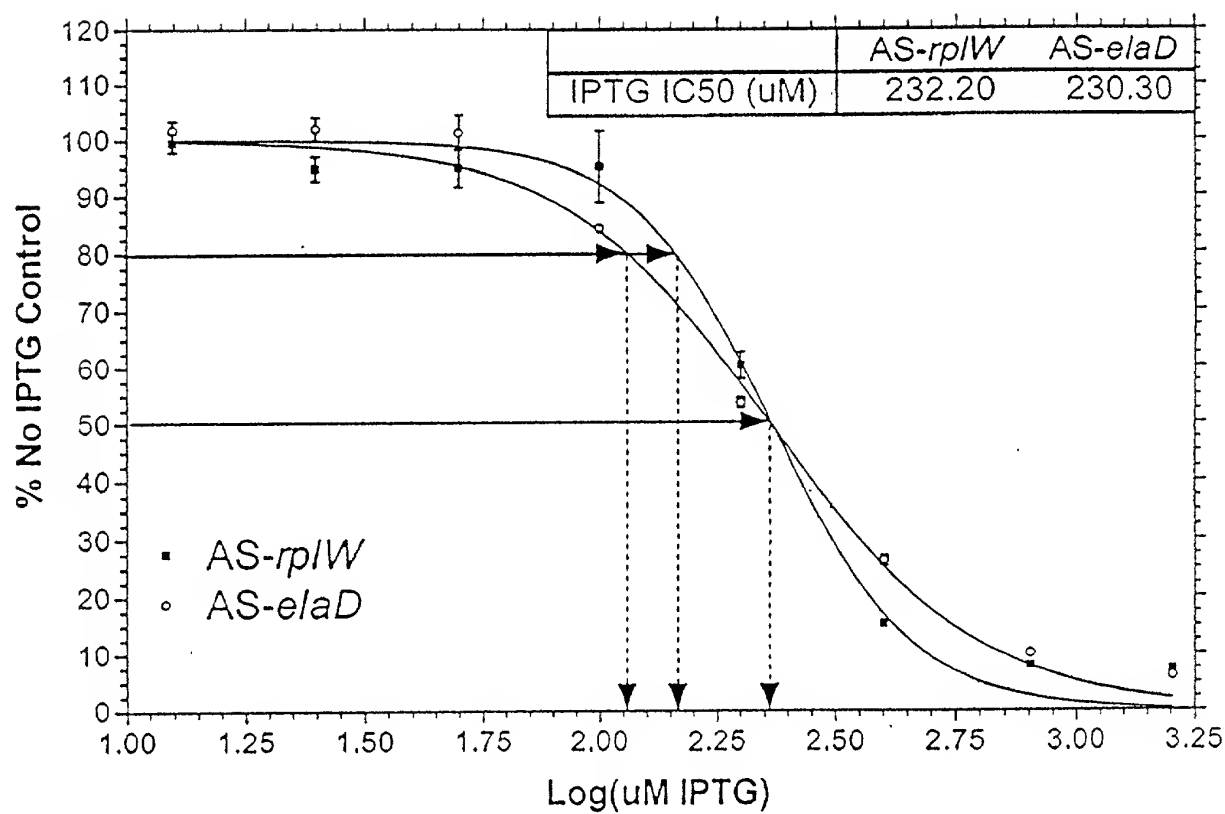


FIG. 12

AS-rpIW

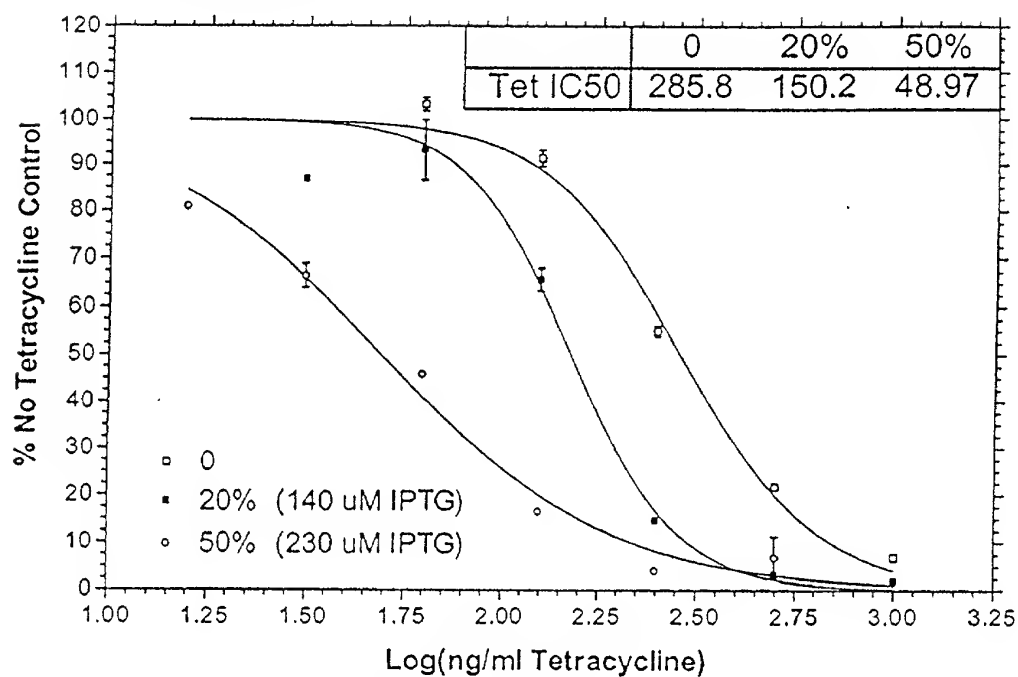


FIG. 13A

AS-elaD

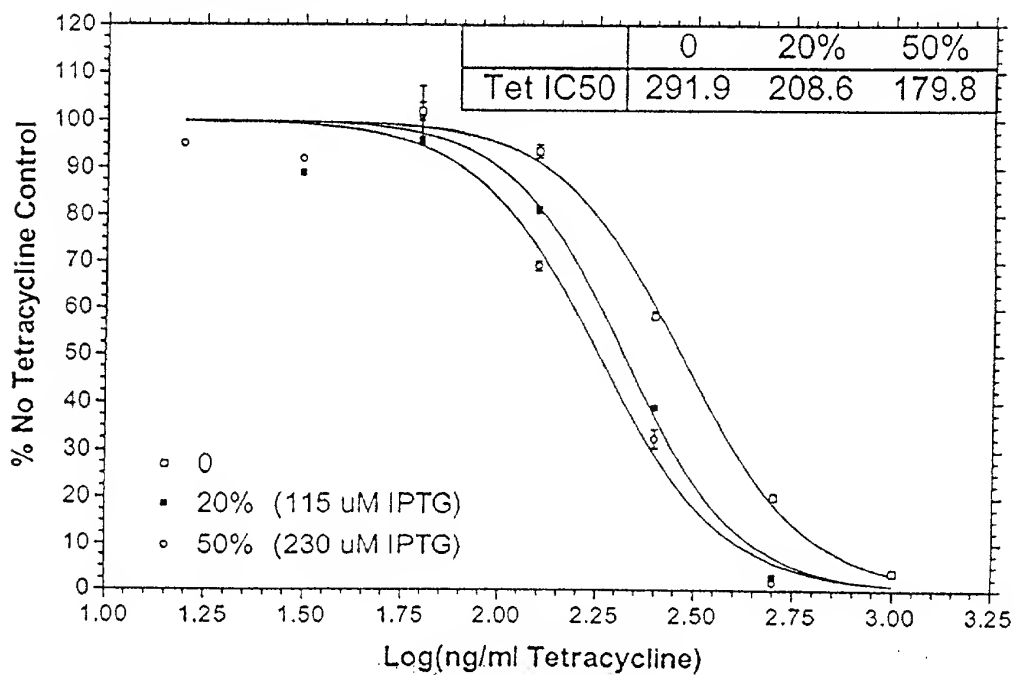
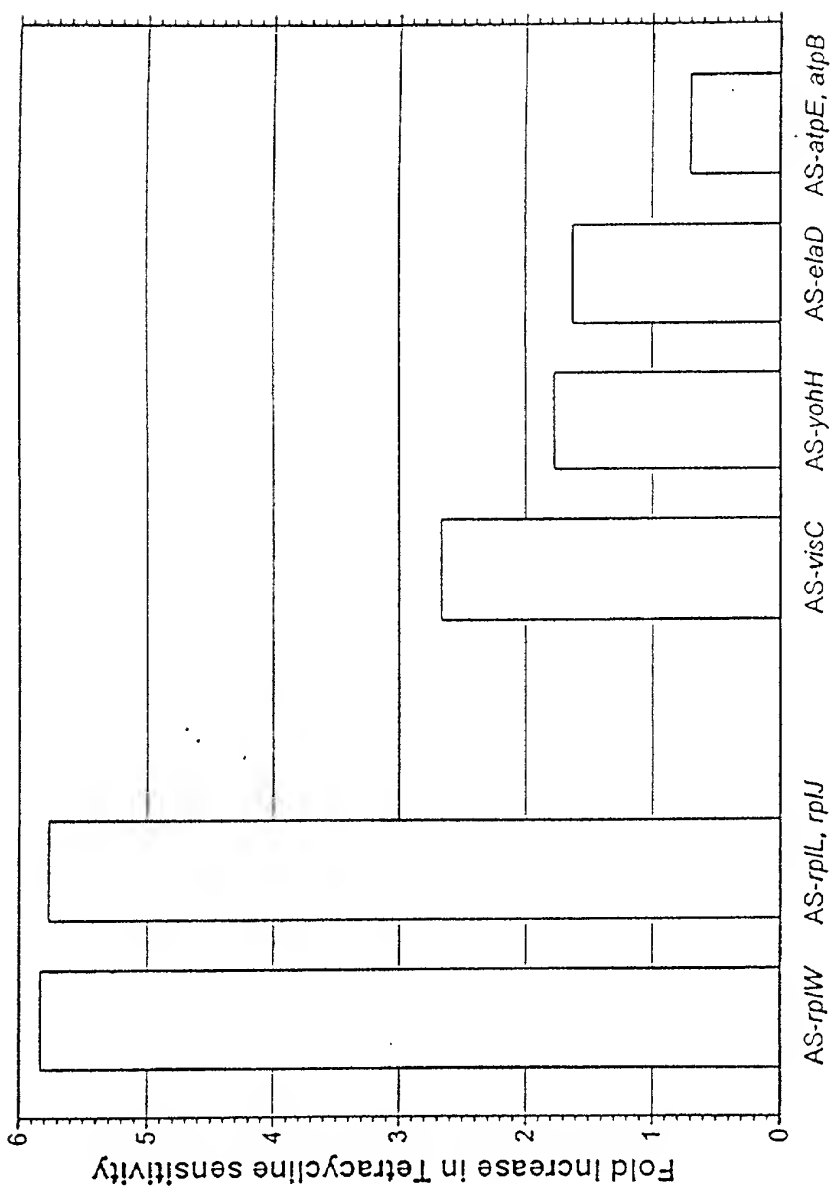


FIG. 13B

Fig. 14



The Selective Sensitization to an Antibiotic Inhibiting Gyrase B Subunit Activity Following the Induction of an Antisense Construct to the B subunit of Gyrase.

